

DAN209S
DAP209S

DAN215
DAP215

Diode, array, high-speed switching, leaded

In these single packages, there are two diodes as shown in the circuit diagrams. They are available in different small envelopes.

Features

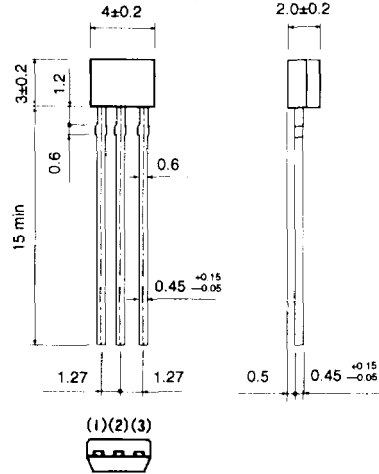
- available in SPT and FTL packages
- suitable for automatic mounting on printed circuit board
- all diodes in the package have similar characteristics

Applications

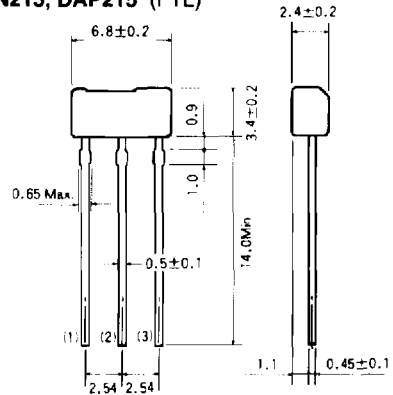
- high-speed switching

Dimensions (Units : mm)

DAN209S, DAP209S (SPT)

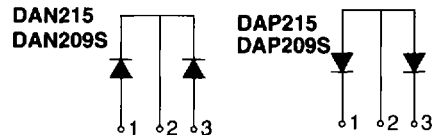


DAN215, DAP215 (FTL)



FTL and TL3/4 exterior dimensions

Equivalent circuits



Absolute maximum ratings ($T_a = 25^\circ\text{C}$)

| Part no. | Peak reverse voltage V_{RM} (V) | DC reverse voltage V_R (V) | Peak forward current I_F (mA) | Mean rectifying current I_O (mA) | Surge current ($1\mu\text{s}$) I_{surge} (A) | Power dissipation (Total) P_d (mW) | Junction temp. T_j ($^\circ\text{C}$) | Storage temp. T_{stg} ($^\circ\text{C}$) |
|----------|--------------------------------------|---------------------------------|------------------------------------|---------------------------------------|---|--|--|--|
| DAN209S | 80 | 80 | 300 | 100 | 4 | 200 | 150 | -55 ~ +150 |
| DAP209S | 80 | 80 | 300 | 100 | 4 | 200 | 150 | -55 ~ +150 |
| DAN215 | 80 | 80 | 300 | 100 | 4 | 200 | 150 | -55 ~ +150 |
| DAP215 | 80 | 80 | 300 | 100 | 4 | 200 | 150 | -55 ~ +150 |

Electrical characteristics (unless otherwise noted, $T_a = 25^\circ\text{C}$)

| Part no. | Forward voltage | | Reverse current | | Capacitance between terminals | | | Reverse recovery time | | | |
|----------|------------------|------------|--------------------------------|-----------|-------------------------------|-----------|---------|-----------------------|-----------|------------|----------|
| | V_F (V) Max | I_F (mA) | I_R (μA) Max | V_R (V) | C_T (pF) max. | V_R (V) | f (MHz) | t_{rr} (ns) Max | V_R (V) | I_F (mA) | Ref |
| DAN209S | 1.2 | 100 | 0.1 | 70 | 3.5 | 6 | 1 | 4 | 4 | 6 | Figure 8 |
| DAP209S | 1.2 | 100 | 0.1 | 70 | 3.5 | 6 | 1 | 4 | 4 | 6 | Figure 8 |
| DAN215 | 1.2 | 100 | 0.1 | 70 | 3.5 | 6 | 1 | 4 | 4 | 6 | Figure 8 |
| DAP215 | 1.2 | 100 | 0.1 | 70 | 3.5 | 6 | 1 | 4 | 4 | 6 | Figure 8 |

Electrical characteristic curves

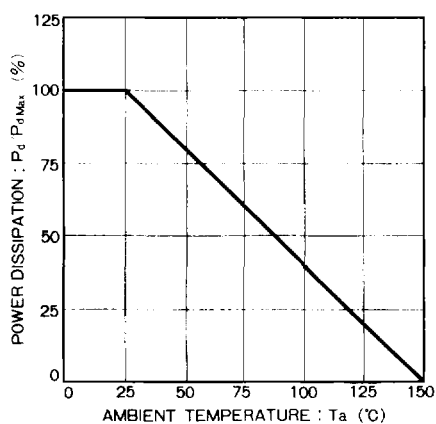


Figure 1

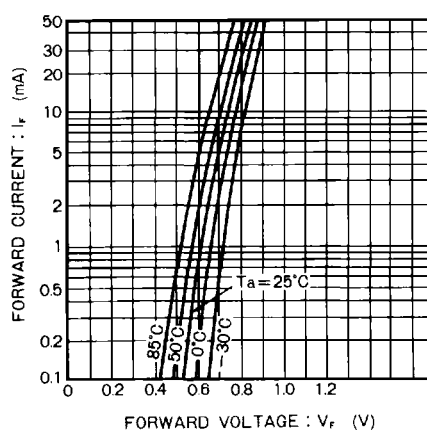


Figure 2

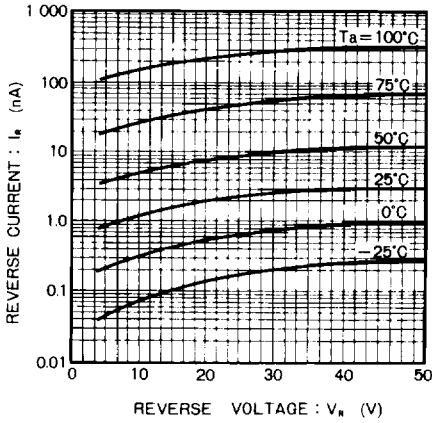


Figure 3

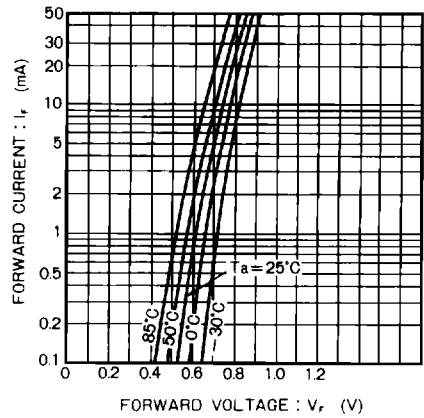


Figure 4

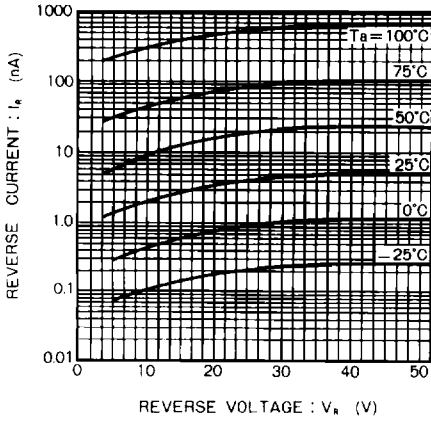


Figure 5

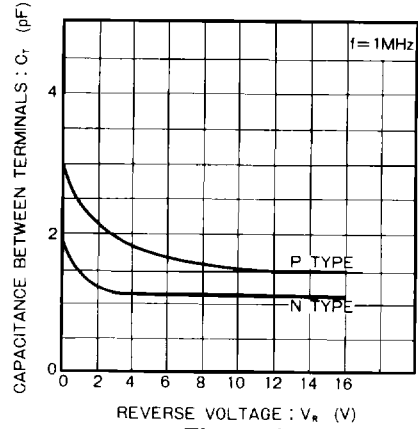


Figure 6

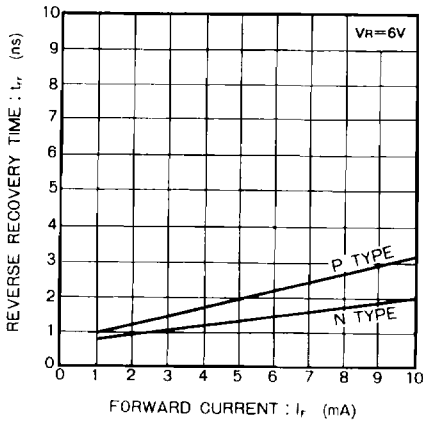


Figure 7

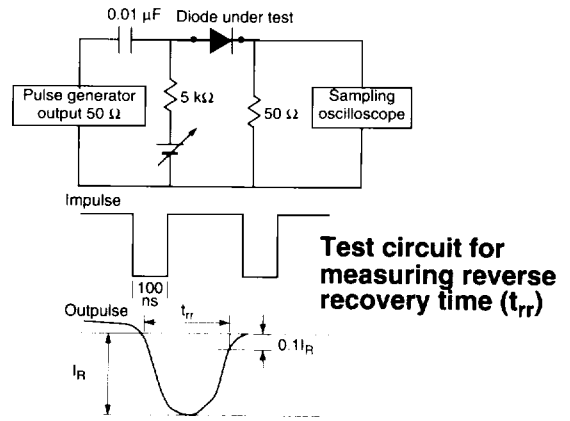


Figure 8